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Group – C

Answer any *two* questions. 2×2=4

7. List a few ways by which grazing can degrade soil health.
8. Define storage capacity and wilting point of soil with suitable diagram.
9. State Lindeman's Law.
10. Mention the criteria used for identifying biodiversity hotspots.

Internal Assessment

6

Ex/SC/GEOG/UG/CORE/TH/08/2023

B. SC. GEOGRAPHY EXAMINATION, 2023

(2nd Year, 2nd Semester)

SOIL AND BIOGEOGRAPHY

COURSE CODE: SC/GEOG/UG/CORE/TH/08

PAPER: C408T

Time : 1 hour 30 minutes

Full Marks : 30

Group – A

Answer any *one* question. 10×1=10

1. What is the most general level of classification used in soil taxonomy? Briefly describe each based on diagnostic horizons. 2+8
2. How is anthrome a more relevant concept than biome in the Anthropocene? Explain the role of social forestry as an effective strategy of forest management in India. 4+6

Group – B

Answer any *two* questions. 5×2=10

3. Explain the four types of soil forming processes.
4. How does soil structure affect cultivation? Identify four general types of soil structure.
5. How are the laws of thermodynamics applicable to energy flow in the ecosystem?
6. Compare the concepts of soil degradation and land degradation.

[Turn over